Wo - tracked Sq 1d no 117 Page 1

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January 11, 2002, 06:41:09; Search time 1759.97 Seconds (without alignments) 187.471 Million cell updates/sec
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Copyright (c) 1993 - 2000 Compugen Ltd.
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Listing first 45 summaries
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SUMMARIES

| Duery Match Length Diagram and Courty Length Diagram and Courty Length Diagram and Courty Length Diagram and Courty Length Diagram and Court Length Diagram and Lieben Length Diagram and Lieben Length Diagram and Lieben Length Diagram and Lieben Di | scription | TOO OBE YOUR | AK10033 | AR064935 Sequ | AR097188 Sequ | AR130686 Sequ | 182871 Sequen | ARI53179 Seque | 144581 Sequence | 1/0966 Segu | AF282631 H | AF282633 H | AF282634 H | AF282635 | AF28263/ H | AF282639 H | AF282640 H | AF282641 AF282642 | AF282643 | AF282644 | AF282545 AF282646 | AY 003921 | AY003922 | AI003923 AY003924 | AX003925 | AY003928 | AY00392 | AY003932 | AY003933 | AY003934 Hepa | A100393 A100393 | АУ003937 Нера | AY003938 Hepa | AY00394 | AY003941 He | AY003942 He | AYOO3944 Hep | ALIGNMENTS | DNA PAT 14-FEB-2001 ent US 6107028. 889 | | | d hepatitis C |
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Labell, E. Trvine, B., Kolberg, J. and Urdea, M.S. Cha, T. Beall, E., Irvine, B., Kolberg, J. and Urdea, M.S. HCV genomic sequences for diagnostics and therapeutics to a location/Qualifiers

Location/Qualifiers
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Cha,T., Beall,E., Irvine,B., Kolberg,J. and Urdea,M.S.
HCV genomic sequences for diagnostics and therapeutics
Patent: US 6071693-A 126 06-JUN-2000;
                                                                                                                                                                                                                                          Query Match

95.0%; Score 19; DB 6; Length 33;
Best Local Similarity 95.0%; Pred. No. 0.68;
Matches 19; Conservative 0; Mismatches 1; Indels
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Unclassified.
1 (bases 1 to 33)
Sheridan,P., Chang,C., Running,J. and Urdea,M.S.
surfaces for immobilizing nucleic acid prohase or a
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                     AR097188 33 bp DNA
Sequence 126 from Patent US 6071693.
AR097188.1 GI:12805918
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Sequence 126 from patent US 6190864.
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Sheridan, P., Chang, C., Running, J. and Urdea, M.S.
Nucleic acid probes immobilized on polystyrene surfaces
Patent: US 5747244-A 50 05 MAY-1998;
Location/Qualifiers
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Urdea,M.S., Horn,T., Chang,C., Warner,B. and Fu
Nucleic acid hybridization assays employing lary
branched polynucleotides
Patent: US 5849481-A 60 15-DEC-1998;
Location/Qualifiers
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Sequence 50 from patent
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AR004396.1 GI:3965275
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Shultz,J.William, Lewis,M.K., Leippe,D., Mandrekar,M., Kephart,D., Shultz,J.William, Lewis,M.K., Leippe,D., Mandrews,C.Ann, Hartnett,J.Robert, Gu,T., Rlodes,R.Byron, Andrews,C.Ann, Hartnett,J.Robert, Gu,T., Detection of nucleic acid hybrids
Patent: US 6235480-A 181 22-MAY-2001;
Location/Qualifiers
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Urdea,M.S., Fultz,T., Warner,B.D. and Collins,M.
Solution phase nucleic acid sandwich assays having reduced background noise
Patent: US 5635352-A 10 03-JUN-1997;
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Sequence 181 from patent US 6235480.
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1 (bases 1 to 139)
Harris.K.A. and Teo,C.G.
Diversity of Hantitis C Virus Quasispecies Evaluated by Denaturing Gradient Gel Electrophoresis
Clin. Diago. Lab. Immunol. 8 (1), 62-73 (2001)
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Hepacivirus.
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Hepatitis C virus isolate H069 clone I 5' non-coding region
                                                                                                                         03-APR-1998
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Urdea,M.S., Fultz,T., Warner,B.D. and Collins,M.
Solution phase nucleic acid sandwich assays having reduced
background noise and kits therefor
Patent: US 5681697-A 10 28-OCT-1997;
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    139 "Hepatitis C virus" / isolate="H069"

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36 c 43 g 32 t
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                                                                                                            46 bp DNA Sequence 10 from patent US 5681697. I70986.1 GI:3007121
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Harris, K.A. and Teo, C.G.
Direct Submission
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10 TTCGCGACCCAACACTACTC 29
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Hepatitis C virus
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Best Local Similarity 95.0
Matches 19; Conservative
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38 C
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Matches 19; Conserv
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Harris, K.A. and Teo, C.G.
Diversity of Hepatitis C Virus Quasispecies Evaluated by Denaturing Gradient Gel Electrophoresis
Clin. Diagn. Lab. Immunol. 8 (1), 62-73 (2001)
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Harris, K.A. and Teo, C.G.
Diversity of Hepatitis C Virus Quasispecies Evaluated by Denaturing Candient Gel Electrophoresis
Clin. Diagn. Lab. Immunol. 8 (1), 62-73 (2001)
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Hepatitis C virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
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Harris, K.A. and Teo, C.G.
Direct Submission
Submitted (27-JUN-2000) Hepatitis and Retrovirus Laboratory,
Central Public Health Laboratory, 61 Colindale Avenue, London NW9
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Hepatitis C virus isolate H071 clone I 5' non-coding region
sequence.
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Score 19; DB 14; Length 139;
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/note="5' non-coding region"
/a 42 q 33 t
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/isolate="H069"
/db_xref="taxon:11103"
/clone="II"
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95.0%;
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 Query Match
Best Local Similarity 95.0%
Matches 19; Conservative
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1 (bases I to 139)
Harris,K.A. and Teo,C.G.
Diversity of Hepatitis C Virus Quasispecies Evaluated by Denaturing Gradient Gel Electrophoresis
(21n. Diagn. Lab. Immunol. 8 (1), 62-73 (2001)
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Hepacivirus
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Haris, K.A. and Teo, C.G.

Direct Submission

Submitted (27-JUN-2000) Hepatitis and Retrovirus Laboratory,
Central Public Health Laboratory, 61 Colindale Avenue, London NW9
5HT, UK
Harris, K.A. and Teo, C.G.
Direct Submission
Submitted (27-JUN-2000) Hepatitis and Retrovirus Laboratory,
Central Public Health Laboratory, 61 Colindale Avenue, London NM9
5HT, UK
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Hepatitis C virus isolate H071 clone II 5' non-coding region
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/isolate="H071"
/db_xref="taxon:11103"
/clone="II"
                                                                                                                                                                   virus"
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/isolate="H071"
/db_xref="taxon:11103"
/clone="I"
                                                                                                                  Location/Qualifiers
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Harris,K.A. and Teo,C.G.

Diversity of Hepatitis C Virus Quasispecies Evaluated by Denaturing cadient Gel Electrophoresis
Clin. Diagn. Lab. Immunol. 8 (1), 62-73 (2001)
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Hepatitis C virus.
Hepatitis C virus
Hepatitis C virus
Hepatitis C virus
Hepacivirus.
1 (bases 1 to 139)
Harris, K. A. and Teo, C.G.
Diversity of Hepatitis C Virus Quasispecies Evaluated by Denaturing Gradient Gel Electrophoresis
Clin. Diagn. Lab. Immunol. 8 (1), 62-73 (2001)
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Hepatitis C virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Hepacivirus.
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Harris, K.A. and Teo, C.G.
Direct Submission
Submitted (27-JUN-2000) Hepatitis and Retrovirus Laboratory,
Central Public Health Laboratory, 61 Colindale Avenue, London NW9
5HT, UR
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Harris, K.A. and Teo, C.G.
Direct Submission
Submitted (27-JUN-2000) Hepatitis and Retrovirus Laboratory,
Central Public Health Laboratory, 61 Colindale Avenue, London NW9
5HT, UK
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AF282635 139 bp RNA VRL 01-MAR-2001
Hepatitis C virus isolate H075 clone I 5' non-coding region
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Hepatitis C virus isolate H075 clone III 5' non-coding region
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/isolate="H075"
/db_xref="taxon:11103"
/clone="I"

    . 139
    /organism="Hepatitis C virus"
/isolate="H075"
    /db_xref="taxon:11103"
    /clone="III"

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AF282637/c
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| n Ltd. | | Search time 1759.97 Seconds (without alignments) 187.471 Million cell updates/sec | | | | 2944280 | | | #. | |
| GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd | nucleic search, using sw model | January 11, 2002, 06:41:09 ; Search time (without ali 187.471 Mill | US-08-887-505-118 20 1 TTGCNACCCAACNCTACTC 20 | IDENTITY_NUC Gapop 10.0 , Gapext 1.0 | 1472140 seqs, 8248589755 residues | hits satisfying chosen parameters: | seq length: 0 seq length: 2000000000 | Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries | | em_nrg_orner: |
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| | 03-APR-1998 | win reaction | |
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| SNIS | PAT | 1 Sustachek,J.C. using the ligase cl | 5 t |
| Alignments | 173297 23 bp DNA Sequence 28 from patent US 5686272. 173297 173297.1 GI:3009436 | Unknown. Unknown. Unknown. Unclassified. 1 (bases it co.23) Marshall, R.L., Carrino, J.J. and Sustachek, J.C. Amplification of RNA sequences using the ligase chain reaction Patent: US 5686272-A 28 11-NOV-1997; Location/Qualifiers 1. 23 | /organism="unknown" 6 a 9 c 3 g |
| | RESULT 1 173297 LOCUS DEFINITION ACCESSION VERYBORDS | SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES SOURCE | BASE COUNT ORIGIN |

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Sequence 60 from patent US 5849481.
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AR064935.1 GI:5995151
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Sheridan, P., Chang, C., Running, J. and Urdea, M.S.
Nucleic acid probes immobilized on polystyrene surfaces
Patent: US 5747244-A 50 05-MAY-1998;
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Kay, M.A. and Lieber, A.
Ribozymes for treating hepatitis C
Patent: US 6107028-A 21 22-AUG-2000;
Location/Qualifiers
                                   0; Mismatches
                                                                                                                                          AR106359 27 bp DNA
Sequence 21 from patent US 6107028.
AR106359.1 GI:12820889
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Sequence 50 from patent US 5747244.
AR004396
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Urdea, M. S., Horn, T., Chang, C., Warner, B. and Fultz, T. J.
Urdea, M. S., Horn, T., Chang, C., Warner, B. and Fultz, T. J.
Nucleic acid hybridization assays employing large comb-type
branched polynuclectides
Patent: US 5849481-A 60 15-DEC-1998;
Location/Qualifiers
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Cha,T., Beall,E., Irvine,B., Kolberg,J. and Urdea,M.S.
HCV genomic sequences for diagnostics and therapeutics
Patent: US 6071693-A 126 06-JUN-2000;
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Sequence 126 from patent US 6071693.
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Sequence 126 from patent US 6190864.
AR130686.1 GI:14119011
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1 (bases 1 to 40)
Shultz,J.William, Lewis,M.K., Leippe,D., Mandrekar,M., Kephart,D.,
Shultz,J.William, Lewis,M.K., Leippe,D., Mandrekar,M.,
Shodes,R.Byron, Andrews,C.Ann, Hartnett,J.Robert, Gu,T.,
Olson,R.J., Wood,K.V. and Welch,R.
Detection of nucleic acid hybrids
Patent: US 6235480-A 181 22-MAY-2001;
Location/Qualifiers
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Unclassified.

Unclassified.

I (basea I to 46)

AUTHORS Urdea, M.S., Fultz, T., Warner, B.D. and Collins, M.

AUTHORS Urdea, M.S., Fultz, T., Warner, B.D. and Collins, M.

TITLE Solution phase nucleic acid sandwich assays having reduced background noise

Dackground noise

JOURNAL Patent: US 5635352-A 10 03-JUN-1997;

Location/Qualifiers
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Sequence 181 from patent US 6235480.
AR153179.1 GI:15120711
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Sequence 10 from patent US 5635352.
114581 114581 G1:2469294
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Sequence 10 from patent US 5681697.
170986
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Amplification of RNA sequences using the ligase chain reaction
Patent: US 5686372-A 26 11 NOV-1997;
Location/Qualifiers
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Sheridan, P., Chang, C., Running, J. and Urdea, M.S.
Process for immobilizing nucleic acid probes on polystyrene
Surfaces
Patent: US 5712383-A 50 27-JAN-1998;
Location/Qualifiers
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Sequence 50 from patent US 5712383.
1182871 GI:3211168
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1 (bases 1 to 57)
Marshall,R.L., Carrino,J.J. and Sustachek,J.C.
Amplification of RNA sequences using the ligase chain reaction
Patent: US 5686272-A 36 11-NOV-1997;
Location/Qualifiers
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Urdea, M.S., Fultz, T., Warner, B.D. and Collins, M.
Solution phase nucleic acid sandwich assays having reduced background noises
Patent: US 5635352-A 30 03-JUN-1997;
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                       Unclassified.

1 (bases 1 to 46)
Urdea_M.S., Fultz, Warner,B.D. and Collins,M.
Solution phase nucleic acid sandwich assays having reduced background noise and kits therefor Patent: US 5681697-A 10 28-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 (bases 1 to 53)
Urdea, M.S., Fultz, T., Warner, B.D. and Collins, M.
Solution phase nucleic acid sandwich assays having reduced
background noise
Patent: US 5635352-A 48 03-JUN-1997;
Location/Qualifiers
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Urdea, M.S., Fultz, T., Warner, B.D. and Collins, M.
Solution phase nucleic acid sandwich assays having reduced
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background noise and kits therefor
Patent: US 5681697-A 48 28-OCT-1997;
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